

ABSTRACT

The invention relates to a method and a protection system for hindering the progress of avalanches that fall with high velocity and contain an enormous amount of energy. The method consists mainly in catching the avalanche in a special Avalanche Protection System (1) – the APS – where the protection system is placed in an oblong storage box (16) on a mountain slope, in a canyon, at the foot of a mountain or at other places, where the risk of falling avalanches exists. The APS can be put up in overlapping rows to form a continuous protective wall against a potential avalanche. The protective device (1) consisting mainly of a semi-circular net sack (9) with mesh and opening; a top rope (13); a foot rope (10); leading strings (12, 14, 15) and wing units (7) attached to the top rope (13) and the net sack (9); main strings (3, 11) which are fastened to ground anchors (2) at one end and at the other end to leading strings (12), foot rope (10) and the top rope (13) of the net sack (9); flat plates (8) that are attached to the main strings (3); storage platform (5) standing on poles (4) which are equipped with locking hinges (6); and a protective helmet (17).